ICT

Preparation book
6th Prim

2024 - 2025

Teacher's Biography

Name: ....

School: ....

The educational administration:...

Qualification: ....

Teaching Subject: ....

Comprehensive School: ....

The school to which he is delegated: ....

Date of appointment: ....

The job is on the staff: ....

Teacher Code: ....

Mobile Number: ....

Teacher   **Supervisor**   **School Principal**
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Daily Class Schedule

Period / Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Period / Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
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Tuesday									
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Thursday									

Teacher   **Supervisor**   **School Principal**

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الفصل الدراسي الأول اعداد وتصميم/ جروب فريق أصدقاء الكمبيوتر المتخصص

The specific objectives of computer and information technology

- **Providing** students with the appropriate amount of scientific and basic knowledge and skills related to how to solve problems.
- **Develop** basic scientific thinking skills.
- **Gain the** ability to use technical means , multimedia, and networks and employ them as tools to serve and integrate with different fields of study
- **Training** students to work within a team by practicing computer techniques.
- **Creates** Websites and determines their characteristics.
- **Developing students'** awareness of the importance of technological awareness and cultural communication.
- **Acquire concepts** related to the principles of web page design.
- **Appreciation of** the role played by science and scientists.
- **Recognize** On the suite of Microsoft Office programs.
- **Raising students'** awareness of the concept of information ethics and the rules of safe use of the Internet.
- **Collects** data and presents it in an interesting way.
- **Specifies** how ICT tools can help make his school more inclusive
- **Discuss** different scenarios/contexts and choose the appropriate computer and network devices
- **Discusses** how future technology can improve the education sector and daily life
- **Discuss** Aspects of the experience of users of advanced technology and artificial intelligence.
- **Shares his** ideas for developing the latest assistive technology product.
- **Provides suggestions** on how mobile devices can support the learning process
- **Innovates** an idea to create a website that promotes An advanced product in its category Assistive technology

Teacher	Supervisor	School Principal
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The specific objectives of computer and information technology

- **Identifies** how ICT tools can help make my school more inclusive.
- **Searches** for websites with static and dynamic designs.
- **Describe** the role of t information and communications technology in helping others.
- **Describe** Components of a computer network.
- **Describes** how network devices work.
- **E xplain** The following terms: virtual and augmented reality and artificial intelligence
- **Give** Examples ofvirtual and augmented reality and artificial intelligence.
- **Discusses** aspects of the user experience of advanced technology.
- **Shares** his ideas for developing the latest assistive technology product.
- **Evaluate** the most advanced proposed technological product
- **Uses** keyboard shortcuts such as copy, cut, and paste to process text.
- **Differentiates** between database, library and online searches.
- **Determine** the most effective search tool for a specific goal
- **Identify** common features in mobile devices. .
- **Offers suggestions** on how mobile devices can support learning.
- **Describes** how mobile devices can improve the lives ofpeople of determination.
- **Explain**what an operating system is.
- **Compare** the most common computer operating systems and mobile phone operating systems
- **Identify** my device operating systems and discuss the HTML programming language
- **Writes** Markup languagecode for basic parts of a web page
- **Specifies** Some components of the markup language of a web pag
- **Innovates** An idea to create a website that promotes An advanced product in its category Assistive technology
- **Identify** ways in which remote sensing technology can help his governorate.
- **Discusses** the Risks of electronic games
- **Explains** ways to avoid the dangers of electronic games
- **Specifies** The impact of electronic games on his health and explains ways to deal with this through family care
- **Identify** the differentfeatures that can be used to protect data
- **Known** Cyber security concept
- **Creates** a plan to deal safely with the Internet
- **Discuss** cybersecurity issues
- **Explain** what copyright is and why it is important
- **Discuss** the concept of electronic financial trading
- **Explains** Cloud computing concept
- **Specifies** Pros and cons of using cloud computing
- **Discusses** the The role of cloud computing in file storage
- **Discuss** the characteristics of valuable or reliable sources
- **Explain** the importance of evaluating sources
- **Evaluate** the resources he finds on the Internet.

Teacher	Supervisor	School Principal
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Distribution of the content of computer, Information Technology and communication
For the 6th primary grade –
First term for year 2024-2025

Week		Lessons	Content
First Axis: The role of information and communications technology in our lives			
1		1	Explorer in Action
		2	Computer network devices
2		3	Technology and artificial intelligence (AI)
3		4	Evaluating cutting – edge technology
4		5	Digital research skills
5		6	Mobile devices
		7	Operating system
6		8	Website design
7			**General Review on Axis One**
Second Axis: Digital security and safety precautions			
8		1	Explorer in Action
		2	How to deal with electronic games
9		3	Protecting yourself from digital theft
10		4	Cyber security
11		5	Copyright and electronic financial trading
12		6	Cloud storage of files
13		7	Cloud computing applications
14			**General Review on Axis One**
15			**First semester's projects**

Teacher   **Supervisor**   **School Principal**

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الفصل الدراسي الأول اعداد وتصميم/ جروب فريق أصدقاء الكمبيوتر المتخصص

THEME 1 Role of Information and Communication Technology (ICT) in our lives

Essential Question: How can we use ICT tools to help keep up with current developments?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
LESSON 1 Explorer in Action	• How computer software can be used • Plan a website	**Learning to know:** problem solving; creativity	**Work values:** perseverance **Personal values:** independence	**Globalization issues:** entrepreneurship **Discrimination issues:** discrimination against people with special needs
LESSON 2 Computer network devices	• The different elements used in a computer network • How computers and digital devices connect	**Learning to know:** problem solving **Learning to be:** communication	**Scientific values:** objectivity	**Globalization issues:** technological awareness
LESSON 3 Technology and artificial intelligence (AI)	• What virtual reality, augmented reality, and artificial intelligence are • How technologies can improve people's lives	**Learning to know:** creativity; problem solving	**Scientific values:** objectivity	**Globalization issues:** entrepreneurship
LESSON 4 Evaluating cutting-edge technology	• What assistive technology is • How cutting-edge technology can be used in society	**Learning to know:** problem solving **Learning to do:** co-operation	**Personal values:** independence **Work values:** perseverance	**Citizenship issues:** awareness of rights and duties **Discrimination issues:** discrimination against people with special needs **Globalization issues:** technological awareness
LESSON 5 Digital research skills	• Using digital search tools • Types of digital search tools	**Learning to know:** problem solving **Learning to be:** sharing	**Work values:** perseverance; co-operation	**Discrimination issues:** discrimination against people with special needs **Globalization issues:** technological awareness
LESSON 6 Mobile devices	• Features of mobile devices • How smartphones can help people	**Learning to know:** problem solving	**Personal values:** independence	**Citizenship issues:** awareness of rights and duties **Globalization issues:** civilizational communication
LESSON 7 Operating systems	• Types of mobile operating systems • What HTML is	**Learning to know:** problem solving **Learning to do:** co-operation	**Work values:** perseverance	**Globalization issues:** technological awareness
LESSON 8 Website design	• What HTML tags are • Using HTML on a webpage	**Learning to know:** creativity; problem solving	**Personal values:** independence **Work values:** persistence	**Globalization issues:** technological awareness; entrepreneurship

THEME 2 Digital safety and security precautions

Essential Question: How can we use ICT tools safely?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life skills	Values	Issues and challenges
LESSON 1 Explorer in Action	• How Remote Sensing can be used • Design an application	**Learning to know:** problem solving **Learning to do:** decision making	**Scientific values:** objectivity **Work values:** perseverance	**Globalization issues:** technological awareness; digital citizenship
LESSON 2 How to deal with electronic games	• The dangers of electronic games • The impact of electronic games on my health	**Learning to know:** problem solving **Learning to live:** self-management	**Personal values:** independence	**Citizenship issues:** awareness of rights and duties **Health and population issues:** preventive health
LESSON 3 Protecting yourself from digital theft	• Ways to protect your devices • Why companies need to protect their data	**Learning to know:** problem solving **Learning to live:** self-management	**Scientific values:** objectivity **Personal values:** independence **Work values:** co-operation	**Globalization issues:** technological awareness
LESSON 4 Cyber security	• How to be safe online • Types of cyber security threats	**Learning to live:** self-management **Learning to do:** decision making	**Personal values:** independence **Work values:** perseverance	**Globalization issues:** technological awareness; digital citizenship
LESSON 5 Copyright and electronic financial trading	• What copyright is • What electronic financial trading is	**Learning to live:** self-management	**Personal values:** independence **Work values:** co-operation	**Globalization issues:** technological awareness; digital citizenship
LESSON 6 Cloud storage of files	• What cloud computing is • Storing files on cloud	**Learning to do:** decision making	**Personal values:** independence; participation	**Globalization issues:** technological awareness
LESSON 7 Cloud computing applications	• Examples of cloud computing applications • The features of different cloud computing applications	**Learning to live:** self-management **Learning to do:** decision making	**Personal values:** independence **Work values:** collaboration	**Globalization issues:** technological awareness

First Axis The role of information and communications technology in our lives
Lesson 1: "Active Explorer" Kartik Sawhney

Lesson objectives: **By the end of this lesson the student will be able to:**

- **Identify** how ICT tools can help make my school more inclusive.
- **Research** websites with static and dynamic designs.

Describe the role of tinformation and communications technology in helping others.

Strategy: Flipped classroom- Dialogue and discussion - Cooperative learning

Teaching aids: Electronic board- Student's book - video by Kartik Sawhney

Warm Up : **Why is it important for everyone to use ICT tools?**

Lesson Presentation

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Evaluation :

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Class						
Session						

First Axis The role of information and communications technology in our lives
Lesson 2: Computer networking devices

Lesson objectives: **By the end of this lesson the student will be able to:**
- **Describe** Components of a computer network.
- **Describes** how network devices work.
- **It discusses** some Internet connection problems and how to deal with them.

Strategy: Brainstorming - dialogue and discussion - peer learning

Teaching aids: The electronic board - Student's book – a presentation - flashcards for the types of networks

Warm Up : Networks are groups of people or things linked together for common goals.

Lesson Presentation

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Evaluation :
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First Axis The role of information and communications technology in our lives
Lesson 3: Technologyand artificial intelligence

Lesson objectives: **By the end of this lesson the student will be able to:**

- **Explain** The following terms: virtual and augmented reality and artificial intelligence
- **Give** Examples of virtual and augmented reality and artificial intelligence.
- **Discuss** how to employ advanced technology in our lives

Strategy: Cooperative learning - dialogue and discussion

Teaching aids: Electronic board - Student's book - presentation - cards for robots and electronic devices

Warm Up : **What technological innovations do you think will be created in the next twenty years?**

Lesson Presentation

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Evaluation :

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First Axis The role of information and communications technology in our lives
Lesson 4: Evaluation Cutting-Edgetechnology

Lesson objectives: **By the end of this lesson the student will be able to:**
- **Discusses** aspects of the user experience of advanced technology.
- **Share** and discuss ideas to develop a cutting edge assistive technological product.
- **Evaluate** the most advanced proposed technological product.
Strategy: Critical thinking – direct dialogue
Teaching aids: Electronic whiteboard - Student's book - presentation
Warm Up : Which applications and games do you enjoy using the most?

Lesson Presentation

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Evaluation :
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First Axis The role of information and communications technology in our lives
Lesson 5: Digital research skills

Lesson objectives: **By the end of this lesson the student will be able to:**

- **Uses** keyboard shortcuts such as copy, cut, and paste in word processing.
- **Differentiate** between database, library and online searches.
- **Identifies** the most effective research tool for a particular goal

Strategy: Dialogue and discussion - cooperative learning - practical training
Teaching aids: Electronic whiteboard - Student's book - presentation
Warm Up : When was the last time you searched the Internet for something?

Lesson Presentation

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Date						
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First Axis The role of information and communications technology in our lives
Lesson 6: Mobile Devices

Lesson objectives: **By the end of this lesson the student will be able to:**
- **Identify** common features in mobile devices. .
- **Offers suggestions** on how mobile devices can support learning.
- **Describes** How mobile devices can improve the lives of people of determination.

Strategy: Dialogue and discussion - cooperative learning - mind maps

Teaching aids: Electronic whiteboard - Student's book - presentation - boards and pens

Warm Up : **Why is it important to be able to find information easily**

Lesson Presentation

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Evaluation :
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First Axis The role of information and communications technology in our lives
Lesson 7: Operating systems

Lesson objectives: **By the end of this lesson the student will be able to:**
- **Explain** what an operating system is.
- **compare** the most common computer and mobile operating systems
- **Identify** my devices' operating systems and discuss the programming language HTML language

Strategy: Dialogue and discussion – brainstorming - question board

Teaching aids: The electronic board - Student's book - a presentation - educational cards with The content of the lesson

Warm Up : What do you notice when moving from one smartphone to another?

Lesson Presentation

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Evaluation :

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First Axis The role of information and communications technology in our lives
Lesson 8: Website Designing

Lesson objectives: **By the end of this lesson the student will be able to:**

- **Writes** Markup language code for basic parts of a web page
- **Specifies** Some components of the markup language of a web page
- **Innovates** An idea to create a website that promotes An advanced product in its category Assistive technology

Strategy: Dialogue and discussion – brainstorming - practical training

Teaching aids: Electronic whiteboard - Student's book - presentation

Warm Up : **What are your three favorite websites? What do you like about them?**

Lesson Presentation

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First Axis The role of information and communications technology in our lives
General review

Lesson objectives: **By the end of this lesson the student will be able to:**
- **Knows** some important terminology of the hub
- **He specifies** Some component of a web page's markup language
- **invent An idea** to create a website that promotes For an advanced product in its category Assistive technology

Strategy: Dialogue and discussion – brainstorming - practical training

Teaching aids: Electronic whiteboard - Student's book - presentation

Warm Up : **How can we use tools Information and communication technology to assist with the latest developments technological?**

Lesson Presentation

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Axis 2

2024 - 2025

2

Second Axis Digital security and safety precautions
Lesson 1: Active Explorer " Didi Al –Bavhaidi "

Lesson objectives: **By the end of this lesson the student will be able to:**
- **Identify** ways Remote Sensing would be useful for my governorate
- **Research** different applications.
- **Design** an application.

Strategy: Dialogue and discussion - brainstorming - flipped class
Teaching aids: The electronic board - Student's book - a video by Didi Al- Behaedi
Warm Up : Do you, your parents or family members use an application to find your way? How useful is this app?

Lesson Presentation

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Second Axis Digital security and safety precautions
Lesson 2: How to deal with electronic games

Lesson objectives: **By the end of this lesson the student will be able to:**

- **Discusses** the Risks of electronic games

- **Explains** ways to avoid the dangers of electronic games

- **Specifies** The impact of electronic games on his health and explains ways to deal with this through family care

Strategy: Dialogue and discussion - brainstorming - cooperative learning

Teaching aids: Electronic whiteboard - Student's book - presentation

Warm Up : In your opinion, why are electronic games so popular among individuals of your age?

Lesson Presentation

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Evaluation :
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Lesson objectives: By the end of this lesson the student will be able to:
- **Identify** the different features that can be used to protect data
- **Discuss** his personal responsibilities for protectinghis digital devices
 Creates an infographic to share information on how to protect devices from digital theft.

Strategy: Dialogue and discussion - critical thinking - mind maps
Teaching aids: Electronic board - Student's book - presentation - boards and pens
Warm Up :   How do you maintain the security of your digital ID?

Lesson Presentation

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Second Axis Digital security and safety precautions
Lesson 4: Cyber Security

Lesson objectives: **By the end of this lesson the student will be able to:**

- **Known** Cyber security concept
- **Creates** a plan to deal safely with the Internet
- **Discuss** cybersecurity issues

Strategy: Practical training - dialogue and discussion - critical thinking

Teaching aids: Electronic whiteboard - Student's book - presentation

Warm Up : **What safety precautions do you take in real life?**

Lesson Presentation

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Second Axis Digital security and safety precautions
Lesson 5: Copyright and electronic financial trading

Lesson objectives: **By the end of this lesson the student will be able to:**

- **Explain** what copyright is and why it is important
- **Discuss** the concept of electronic financial trading
- **specifies** Ways to maintain safety while using electronic financial trading applications

Strategy: Dialogue and discussion - brainstorming - question board

Teaching aids: Electronic board - Student's book - presentation - boards and pens

Warm Up : What is the impact of publishing information and ideas via the Internet on copyright?

Lesson Presentation

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Evaluation :

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Lesson objectives: **By the end of this lesson the student will be able to:**

- **Explains** Cloud computing concept

-**Specifies** Pros and cons of using cloud computing

- **Discusses the** role of cloud computing in file storage

Strategy: Dialogue and discussion - brainstorming - question board

Teaching aids: Electronic board - Student's book - presentation - boards and pens

Warm Up : **How do you store your information and files, such as photos, for example, digitally and in real?**

Lesson Presentation

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Evaluation :

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Lesson objectives: By the end of this lesson the student will be able to:

- **Discuss** the characteristics of valuable or reliable sources
- **Explain** the importance of evaluating sources
- **Evaluate** the resources he finds on the Internet.

Strategy: Dialogue and discussion - brainstorming - question board

Teaching aids: Electronic board - Student's book - presentation - boards and pens

Warm Up : How has cloud computing technology affected our daily lives?

Lesson Presentation

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Evaluation :
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Second Axis Digital security and safety precautions
General review

Lesson objectives: By the end of this lesson the student will be able to:
- **Compare** different browsers

- **Specifies** Some sources of evaluation information .
- **Research** different applications.

Strategy: Dialogue and discussion - brainstorming - question board
Teaching aids: Electronic board - Student's book - presentation - boards and pens
Warm Up : How can we use tools Information and communication technology Safely?

Lesson Presentation

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Evaluation :

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